THE PATENT GALVANIZED IRON.

TUPPER and CARR,
Owners of Crawford's Patents, and Successors to
THE GALVANIZED IRON COMPANY,
Supply patent Galvanized Sheets, plain or corrugated, for roofing &c., Water or Gas Pipes, Castings, Wire of all gauges, Guttering, Roofing, &c. Wholesale, retail, and for export

An allowance to the trade.
WORKS—MILLWALL and BIRMINGHAM
LONDON OFFICE, 2, MANSION-HOUSE PLACE

IRON BUILDING and ROOFING

WORKS,
BIRMINGHAM, late of Southwark.
JOHN H. PORTER,
Manufacturer of the Corrugated and other kinds of Iron Roofing for railway stations, carriage sheds, farm buildings, gas-works, warehouses, factories, &c. &c.

PATENTEE
Of the Corrugated Iron Beams, Girders, and Fire-proof Floors

THE PATENT GALVANIZING and CORRUGATING IRON COMPANY,

Glass-house Yard (opposite the Principal Entrance to the London Docks),
Offices—12, Crescent, Minories.
J. SYMON JUN. & CO. Managers.

The Proprietors, having made considerable improvements in the mode of working Cameron's Patent, for which they have a license, are now in a position to execute orders to any extent, in a manner hitherto unequalled, and they respectfully solicit the favours of Builders, Contractors, Merchants, and others

The proximity of their premises to the docks affords peculiar facilities for the prompt execution of shipping orders.

On hand for the exportation or home consumption—Patent Galvanized Plain and Corrugated Sheets, for Iron Houses, Roofing, Railway Stations, Carriage Sheds, Farm Buildings, Gas Works, Warehouses, Factories, Doors, Verandas, Shutters, Partitions, Safety Chests, &c., Iron Guttering, Water and Gas Pipes, Hanging, Wire of all sizes, Chains and Seats for Lawns, Pleasure Grounds, and Gardens, in great variety.

Goods sent for and returned, free of charge, within three miles of the City; and all light goods received at the Works by 9 in the morning, will be returned the same day, if required.

A Discount allowed to the Trade.

THE CORRUGATED and GALVANIZED IRON ROOF,

PORTABLE BUILDING, AND
NASMYTH'S PATENT FLOORING, ROOFING, AND GIRDER WORKS,
Offices, 42, Great Marlborough-street.

JOHN WALKER, one of the Patentees of Corrugated Iron, calls the attention of Architects, Engineers, &c., to his Lists of Prices, which, consistently with good workmanship, are extremely low

Models of the patent Iron Beams, corrugated or not, and girders; also, drawings of roofs, on peculiar principles, may be had on application

Drawings of the Iron Lighthouse spoken of in the Times and Builder newspapers (see the Exposition for February 28th), may be seen by application.

References to Firms of the highest class can be given.

JAMES ARTHUR MILES, Wholesale and

Manufacturing Brass Founder, 18, Princess-place, Queen-street, City, requests the attention of the trade to his stock of BRASS FOUNDERY, BELL CRANKS, and GAS FURNITURE, comprising a greater variety in each department than has hitherto been kept.

The CRANKS are arranged in twelve sizes of different drafts and strengths, and from one to six feet. Also to the rough, mounted with copper pins, for sawed work. BELL-LEVERS and PULLS in bronze, pearl, ivory, glass, and china.

In GAS WORK, the whole of the patterns are entirely new. A large assortment of GAS PILLARS, PENDANTS, BRACKETS, and CHANDELIERS in best COMMON, POLISH, DRAWING-ROOM, WINDOW, PITTINGS, OAS WORK, and every description of brass work manufactured on the shortest notice.

NO IRONMONGERY OF ANY DESCRIPTION KEPT IN STOCK.

Agent for the sale of W. B. KENNEDY'S CHINA DOOR-FURNITURE, with Door Patent Spindles, and whose stock is kept upon the premises. This stock is much larger in amount, and contains a larger variety of patterns than any other. Also,

CHINA LETTERS, GARDEN LABELS, COMMODE KNOBS, OTTOMAN FEET, &c., and a continual succession of novelties at the lowest prices. The above articles, in china, may be had retail of all respectable ironmongers throughout the kingdom.

SAMUEL HOOD and Co., Castings Ware-

house, 81, Upper Thames-street, REGISTERED STABLE FITTINGS, Enamelled Mangers, with double hay-racks or with enamelled water-cistern on one side.—Also, girders, columns, hot water pipes, rain water pipes, cocks, rosettes, sash weights, &c., at the lowest prices.

COTTAM and HALLEN, 2, Winsley-street,

Oxford-street, beg leave to draw attention to their new and improved patterns in STABLE FURNITURE. The manger, rack, and water-trough are placed in a line together, and may be had either plain, galvanized, or enamelled. Castings and wrought-iron work of every description, at the lowest scale of prices. Underground pipe, 4s. 6d. per cwt. Estimates upon application.

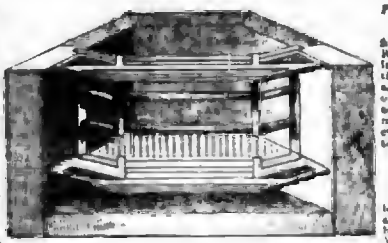
COTTAM and HALLEN, 2, Winsley-street, Oxford-st. London.

BATHS.—J. TYLOR and SON'S improved

APPARATUS, consisting of copper or galvanized iron baths, coated with enamelled white or Siemens marbled inside, copper circulating boiler, with three way cock for hot, cold, and waste water, complete, IS MOVEABLE, and does not require any BRICK WORK. Manufacturers of every description of boilers and soil pipes for heating baths or public buildings, hospitals, union workhouses, asylums, &c.—Apply to Ironmongers or Plumbers, or to the Manufacturers, Warwick lane, London.

PIERCE'S REGISTERED IMPROVEMENTS in STOVE GRATES, for COTTAGES,

BEDROOMS, &c.—The best and cheapest grate for all useful purposes, is
PIERCE'S UNIVERSAL FIRE LUMP GRATE.
Made of the finest prepared fire loam, in one entire piece very strong, with large flues, improved iron bars, hobs, and front complete, and will burn either wood, coal, coke, or peat. Prices—in all its 64; large, 10s. 6d.



From the *Art Journal* Nov 1850—"We have frequently found occasion to speak favourably of the improvements which Mr. Pierce, of Jermyn-street, has made in the manufacture of stoves and fire-grates. The last novelty of this kind submitted to our notice, is a grate of very simple construction, termed a "Cottager's Grate," from its peculiar applicability to houses of that character (the sides and back are formed of "fire-clay," and are made of one piece, one of the greatest advantages is, that it may be transferred to any room having a fire-place as it requires no fixing, and it will readily burn anything in the shape of fuel. We would recommend them for general use in building houses, where such an article would be required, to inspect this useful invention."

From the *Mechanic of Science*, Sept. 7, 1850—"The grate is constructed upon the Count Rumford principle, and is particularly adapted for the CHURCHES, ENTRANCE HALLS, INFANT AND OTHER SCHOOLS, servants' apartments, &c. Its chief object is to get the greatest amount of heat from a small quantity of fuel, and to diffuse it equally throughout the room, where neither draught or disagreeable currents are perceptible. Prices 7s. 6d. and 10s. 6d. It may be seen in daily use at the show-rooms of the Manufacturer—also at the Polytechnic Institution, University Hall, Westminster Chapel, Buckingham Palace &c. Innumerable references and testimonials, with engravings, may be obtained at

PIERCE'S MANUFACTORY AND SHOW ROOMS,
No. 2, JERMYN-STREET, REGENT-STREET
Sole Agent for Nicholson's Prize Cottager's Range, New Patent Cooking Stove, and his recent Improvements in Stove Grates, &c.

From the *Gardener's Chronicle*, Nov. 16, 1850—"The most economical and very best open grates we have seen are on an admirable principle, invented by Mr. Pierce, of Jermyn-street. We saw them in operation, and find them brilliant."

PIERCE'S IMPROVED COTTAGERS' GRATE,
made of the same prepared Fire Lump, which requires no frame when set, and can be used in any room having a chimney

PIERCE'S PYRO-PNEUMATIC STOVE GRATES,

being the original and only PURE WARM AIR STOVES that are constructed wholly of the FIRE-FY PREPARED FIRE-CLAY, HAVING BRITISH wherever in connection with the warming surfaces, produces a healthful warmth, ventilation, & comfort, combined with economy. This medium of changing the cold external atmosphere into pleasant rarefied air is particularly adapted for CHURCHES, ENTRANCE HALLS, INFANT AND OTHER SCHOOLS, servants' apartments &c. Its chief object is to get the greatest amount of heat from a small quantity of fuel, and to diffuse it equally throughout the room, where neither draught or disagreeable currents are perceptible. Prices 7s. 6d. and 10s. 6d. It may be seen in daily use at the show-rooms of the Manufacturer—also at the Polytechnic Institution, University Hall, Westminster Chapel, Buckingham Palace &c. Innumerable references and testimonials, with engravings, may be obtained at

PIERCE'S MANUFACTORY AND SHOW ROOMS,
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Sole Agent for Nicholson's Prize Cottager's Range, New Patent Cooking Stove, and his recent Improvements in Stove Grates, &c.

FULKES' RANGE and STOVE

MANUFACTORY and BUILDERS' IRONMONGERY WAREHOUSE, Nos. 21 and 22, Park-street, Camden-town. An extensive and well-selected stock of all descriptions of Stoves, Ranges, and Builders' Ironmongery, at prices equally low as those of any house in the trade, and in many things much lower.

WARMING by HOT WATER.—

J. WEEKS and Co., KING'S ROAD, CHELSEA, solicit the honour of Architects to inspect their Hot-Water Apparatus, which is to be seen on their premises in extensive operation. Ornamental Pedestals and Panels of Pipes in great variety, applicable for warming conservatories, museums, entrance-halls, offices, counting-houses, &c. TUBULAR BOILERS of all sizes, warranted to be the most efficient and economical of any yet introduced.—J. WEEKS and Co., Hot-Water Apparatus Manufacturers, King's-road, Chelsea.

TO BUILDERS AND CARPENTERS, &c.

J. H. BOOBBYER and CO., late Sturch

and Boobbyer, Ironmongery, Brass Foundry, Nail, and Tool Warehouse, 14, Manchester-street, Chare-market, London, for the supply of Carpenters, Builders, Cabinet-makers, Upholsters, &c., at wholesale prices.

Best Cut Sheet Flooring Brads 1s. 6d. per cwt.
Fine Cut Clasp and Rose

1s. 6d.	1s. 6d.	1s. 6d.	1s.	1s. 6d. per cwt.
1½	1¼	1	¾	inch.

Best Bright Tower Bolts

2s. 6d.	1s. 7d.	1s. 2d.	1s. 6d. per dozen.
9	8	7	6 inch.

Best Patent Sash Line

6s.	5s. 6d.	5s. 6d.	7s.	5s.	10s. 6d. per gross.
No. 1	2	3	4	5	6

Cast Lath Nails, 1s. per cwt. Air Bricks, 2s. 6d. per dozen.
DR. ARNOTT'S VENTILATORS

10 by 8 inches	1s. each.
18 by 9	2s. 6d.

An assortment in Brass Fronted Ovens, &c.

An extensive stock of Mortice Locks, Rim-lock Locks, Iron Rim Locks, and Latches, of every description, at very reduced prices; also Door Furniture, in china, amber, crystal, ivory, glass, bullion, horn, brass, &c., with Finger-plates, Bell-pulls, and Levers en suite. Bolts and Do on the principle of SHIFTING BOLT MORTISE LOCKS &c., so universally approved of.—Established nearly five years, for the supply of goods from the best manufactories at the lowest prices.

CLARK and HUNT'S IRONMONGERY,

STOVE and METAL WAREHOUSE 139, Shoreditch.
Spring Elliptic fire-irons, with extra bank, 3½d. per inch.
Register Stoves, 6d. per in.
No. 8, Improved Cottage Ranges, with Ovens and Boilers, 30s. each.
3-ft. Self-acting ditto, with wrought bars and bright fittings, 2os.

Cast Rain water Pipe { 2 3½ 5 inch.
68 101 in. per yard.

Cast Gutters—4 inch, 9d. per yard.
O.G. Gutters ..... { 4½ inch.
11d. 1s. per yard.

Best Cut Clasp { 1½ 1¼ 1 ¾ inch.
and Rose { 1s. 6d. 1s. 3d. 1s. 1s. 1s. per cwt.

Short Flooring Brads, 1s. 6d. per cwt.
1 inch Cut Lath, 1s. Cast Lath, 1s. 6d.
6-inch 4-Bolt Bed Ward Surface, with best Furniture and Patent Spindles, 3s. 6d.
Light Elliptic and Register Metal, 12s. per cwt.
Hot Water Pipes, 8s. 6d. per cwt.
Dr. Arnott's Ventilators, 2s. each.
An extensive stock of bar, rod, hoop, and sheet iron.

TO BUILDERS and CARPENTERS.—

Elliptic Stoves, double backs, 7½d. per inch.
Register Stoves, 5d. 6d. 6½d. 7½d. per inch
Self-acting Ranges, with circular ovens and back boilers, best wrought bars and bright fittings—

2 ft. 6 in.	2 ft. 9 in.	3 ft.	4 ft.
3 feet Cottage Ranges, with ovens and back boilers, 30s. each.			
3-feet self-acting ditto, ditto			35s. each.
Air Bricks, 3s. 6d. per doz.—4-inch Cast Lath Nails, 1s. 6d. per cwt.			

Best Patent Cut Clasp

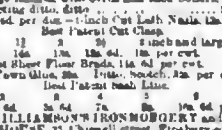
1¼	1¼	1	¾	inch and larger.
1s. 6d.	1s. 6d.	1s.	1s. 6d.	1s. per cwt.

Best Short Floor Brads, 1s. 6d. per cwt.
Best Town Glue, 2s. Ditto, ditto, 3s. per cwt.
Best Patent Sash Line.

1	2	3	4	5	6
4s.	4s. 6d.	5s. 6d.	7s.	8s.	10s. 6d. per gross.

All F. K. WILLIAMSON'S IRONMONGERY and STOVE WAREHOUSE, 25, Chiswell-street, Finsbury-square.
Lists of Prices had on application at the Warehouse, or by letter, pre-paid, inclosing postage-stamp.—Warehouse closes at 7 o'clock.
Clark and Hunt's Improved Glass Paper.

STOVES, RANGES, &c.



HAYWARD, BROTHERS,

108, Blackfriars-road, and 117 and 118, Union-street, Borough,
IRONMONGERS, and MANUFACTURERS
Of Self-acting Ranges, Elliptic and Register Stoves, Arnott's Valves, &c.
SOLE WHOLESALE AGENTS FOR
HENLY'S patent improved KITCHEN RANGE, with hot plate.
Wolhaston's patent radiating and reflecting Register Stoves, and
SHERINGHAM'S VENTILATOR

IRON FOUNDRY, 80, Goswell-street (late of

Brick-lane, St. Luke's).—J. JONES having made great additions to his STOCK of PATTERNS, begs to inform the Trade, that he can now supply them with Plain and Ornamental Iron Columns, Girders, Railings, Gates, Iron Coping, Balconies, Window Guards, Verandas, Ornamental Staircase Panels, Iron Stair-rods, Tank Enclosures, Trellis Panelling, Lamp and other Brackets, Chandeliers, Bevel Bars, Water Closet Work, Area Gratings, Pig and other Wheels, Wheel Plates, &c.

BAKERS' OVEN WORK, Forge Backs and Troughs, Rain Water Pipes and Gutters, Sash Weights, Furnace Bars, Stoves, Ranges, &c., always in stock.

TO FLORISTS AND OTHERS.

J. JONES, Iron merchant, has always a

great variety of CORICAL and SADDLE BOILERS in STOCK; also fire and flower bars, ornamental and plain supply cisterns, double doors and frames, furnace grates and doors for the same, hot water pipes, elbows, tees, syphons, thistle valves, stop cocks, flange and socket elbows, &c. also trough pipes, drawings and prices of the above, on application to J. JONES, Iron-bridge-wharf, No. 6, Southside, London, near the Southwark iron bridge.

TO ARCHITECTS AND BUILDERS.

CHUBB'S WROUGHT-IRON and FIRE-

PROOF DOORS and FRAMES, for strong Rooms. A large stock of the above, of all sizes, made on the best principles, and of different strengths, fitted with CHUBB'S PATENT DETECTOR LOCKS, throwing from two to twenty bolts, can usually be had, at very moderate prices. FIRE PROOF SAFES of every size, and Patent Detector Locks and Latches for all purposes.—C. CHUBB and SON, 57, Fore-street, Cripplegate, and 128, St. Paul's Churchyard, London.

FIREPROOF BRICK SAFES AND DEED-BOXES.

GRIGG and JENKINSON beg to offer to

BANKERS, MERCHANTS, SOLICITORS, and MEN of BUSINESS in general requiring safe deposits for VALUABLE PAPERS, &c. a medium of security to their property from fire and depredation, which cannot be surpassed. They are here in a peculiar manner all requisite features—great strength and greatness, undoubted resistance to FIRE and LIGHT, which it is impossible either to force or pick. Their prices are carefully moderate. Also IRON BINDING, and every description of strong Iron-work. Manufacturers, GRIGG and JENKINSON, Pimlico Iron Works, 118 and 120, Bunhill-row.

COLLINGE'S PATENT HINGES.—Sole

Manufacturers, CHARLES COLLINGE and CO., 81, Bridge-road, Lambeth, where a great variety are always on view for church, park, railroad, coachhouse, and other gates and doors of large and small dimensions, a pair of a ton weight moving with these hinges as easily as a wicket. Ornamental hinges, adapted for drawing-rooms, &c.; doors fitted with them may be removed and replaced in an instant. Rising and double-acting spring hinges, and hinges for shutters, on moderate prices. No genuine unless marked "Charles Collinge, Patent, Lambeth." Plain and ornamental cast and wrought-iron work, for buildings and other purposes. Engines, machinery, patent sash-cord sugar-mills, &c.

CHURCH and TURRET BELLS

cast to any weight, and tuned. Ship, plantation, house, sheep, cup, and clock bells of any size.

MUSICAL HAND BELLS

Tuned to the chromatic scale, with improved clappers, and pegged on a new system, which gives a superior tone and facility for ringing.

Memorial Brasses, Pulpit Lights, and Brackets &c.

Old Bells recast or taken in exchange.

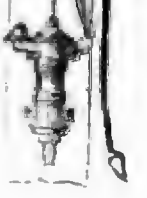
J. WARNER and SONS,
BELL FOUNDERS,
ENGINEERS, &c.

TO BUILDERS AND PLUMBERS.

THE attention of the

Trade is called to
JOHN WARNER & SONS'
PATENT VIBRATING
STANDARD PUMP,
which is recommended for the simplicity of its construction, and the ease with which it works.

By the introduction of the vibrating standard the cumbrous cast arc and expensive slings and guides are unnecessary, rendering the latter about fourfold less than pumps made on the old plan.

Beer and Water Engines for raising fluids from a depth not exceeding 30 feet; also, Garden Engines constructed on the same principle.

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8, Crescent, Jewin-street, London,
Manufacturers and Patentees.